

P-33

Total Pages : 3

Roll No.

MSCBOT-502

Algae and Bryophytes

M.Sc. Botany (MSCBOT)

1st Semester Examination, 2023 (June)

Time : 2 Hours]

Max. Marks : 70

Note : This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

SECTION–A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1. Describe the range of vegetative structure in algae with suitable examples.

2. Describe the morphology and reproduction in genus *Anthoceros* with suitable diagrams.
3. Enumerate the criteria used in the classification of algae. Give a brief outline of any classification proposed for algae studied by you.
4. Give an account of the habitat, structure and reproduction in *Anabena*.
5. Give a detailed account of morphology and reproduction in *Polysiphonia*. Describe the cystocarp formation in the thallus.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only. (4×8=32)

1. Describe the economic and ecological importance of algae.
2. Describe a brief history of algae. Describe the contribution of Indian algologists.
3. Give a brief account of diatoms. How diatoms are differed from true algae.

4. Write in brief note on fossil algae.
 5. Give a brief account of classification of Bryophytes.
 6. General characteristics of Phaeophyceae.
 7. Write salient features of Jungermanniales with special emphasis on one genus studied by you.
 8. Write a short note on blue green algae.
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